# MMS

Media Management System

# Main functionalities

- Contents ingestion

- Asset management

- Content Editing/processing

- Workflow management

- Transcoding engine

- Multiple interfaces

# Contents ingestion

- Live Stream Cloud Ingest (UDP, RTP, SRT, HTTP HLS, etc)

- Direct HD SDI Ingest (to be tested)

- H264, H265, …

- Format agnostic

- Multi resolution ingest

- Scalability Live-VOD: unlimited (depend on HW)

- Live Recording redundant

- Live Recorder Virtual VOD

Availability of the contents for Editing/Export/Publishing

# Content Editing/processing

- Cut and Concat (Frame Accurate)

- Face detection (ex: thumbnails generation) and learning

- Face recognition

- Audio extraction/Processing

- Slow Down (Video speed reduced)

- Picture in Picture

- … any functionalities implemented by ffmpeg, opencv, ImageMagick

# Workflow management

- Workflow defined by the user

- Task library available and extendable

- Parallel execution of Esecuzione Workflows (depend on HW)

- Task management asynchronous and redundant

- Creation of Workflow by REST-API (for SW integration)

- Creation of Workflow by Web Interface (for users and administrators)

# Transcoding engine

- Independent by the Transcoder: it is possible to have integration with third party Transcoder

  - Native FFMPEG

  - Telestream Vantage (via API)

- H264/H265/… Input/Output

- Multi Output simultaneous (dependend on what it is defined by the Workflow)

- Optimization of the load of the transcoders

- Management of array of transcoders

- Management of priorities and load

# Multiple interfaces

- REST API (integration of any function)

- Java MMS REST API Library

- Java MMS Workflow Library

- Secure Content delivery (token, TTL, max retries)

- Users' rights management (full Active Directory integration)

- Management of MMS through Web Interface